GP Batteries

Material Safety Data Sheet — Model No.: GP10AAAHR

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Note: Blank spaces are not permitted if any item is not applicable or no information is available, the space must be marked to indicate that.

Identity (As Used on Label and List)		Part Number	
GP10AAAHR		GP10AAAHR	

Section I- Information of Manufacturer

Manufacturer's Name	
GP Batteries International Ltd.	
Address (Number, Street, City, State, and ZIP Code)	

Section II - Hazardous Ingredients/Identity Information

Hazardous Components:		
Description:	Approximate % of total weight	
Ni(OH)2 (Nickel Hydroxide)	13.4	Wt%
30-35% NaOH and KOH mixture	3.7	Wt%
Mercury	< 5	PPM
Lead	Nil	
Cadmium	Nil	

Section III - Physical/Chemical Characteristics

Form		Specific Gravity (H2O=1)	
	N.A.		N.A.
Boiling point		Melting Point	
	N.A.		
Vapor Pressure (mmHg)		Evaporation Rate	
	N.A.	(Butyl Acetate=1)	N.A.
Vapor Density (AIR=1)		pH	
	N.A.		N.A.
Solubility in Water		Appearance and Odor	
	N.A.		N.A.

Section IV - Hazard classification

N/A

Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid
Yes=(X)	( )	
	Stable	
	(X)	

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts

Hazardous	May Occur	Conditions to Avoid
reactions	( )	
Yes=(X)	Will Not Occur	
	(X)	

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Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.

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Section VI - Health Hazard Data

Route(s) of Entry Yes - (X)	Inhalation?	Skin?	Ingestion?
	(N.A.)	(N.A.)	(N.A.)

Health Hazard (Acute and Chronic) / Toxicological information

In case of electrolyte leakage, skin will be itchy when contaminated with electrolyte.

Section VII - First Aid Measures

First aid Procedures

If electrolyte leakage occurs and makes contact with skin, wash immediately.

If electrolyte comes into contact with eyes, wash with copious amounts of water for fifteen (15) minutes, and contact a physician.

Section VIII - Fire and Explosion Hazard Data

Flash Point (Method Used)	Ignition temp.	Flammable Limits		LEL	UEL
N.A.	N.A.		N.A.	N.A.	N.A.

Extinguishing Media

N.A.

Special Fire Fighting Procedures

N.A.

Unusual Fire and Explosion Hazards

Do not dispose of battery in fire - may explode.

Do not short-circuit battery - may cause burns.

Section IX - Accidental Release or Spillage

Steps to Be Taken in Case Material is Released or Spilled

Batteries that are leaking should be handled with rubber gloves.

Avoid direct contact with electrolyte.

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Section X - Handling and Storage

Safe handling and storage advice

Batteries in the charged state should be handled and stored carefully to avoid short circuits.

Do not store in disorderly fashion, or allow metal objects to be mixed with stored batteries.

Never disassemble a battery.

Section XI - Exposure Controls / Personal Protection

Occupational Exposure Limits :	LTEP	STEP	
	N.A.		N.A.
Respiratory Protection (Specify Type)			
	N.A.		
Ventilation	Local Exhausts	Special	
	N.A.		N.A.
	Mechanical (General)	Other	
	N.A.		N.A.
Protective Gloves		Eye Protection	
	N.A.		N.A.
Other Protective Clothing or Equipment			
	N.A.		
Work/Hygenic Practices			
	N.A.		

Section XII - Ecological Information

N.A.

Section XIII - Disposal Method

N.A.

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